



OFFICE OF LAND ENFORCEMENT  
ENFORCEMENT CASE RECOMMENDATION  
WORKSHEET<sup>1</sup>

EPA ID NUMBER: PAR000528166

FACILITY NAME: Kuusakoski Philadelphia, LLC

CASE REVIEW OFFICER: Andrew Ma

FINDINGS OF INITIAL CASE REVIEW:

On August 24, 2011, the U.S. Environmental Protection Agency, Region III ("EPA") conducted a Compliance Evaluation Inspection ("CEI") of Kuusakoski Philadelphia, LLC ("Facility") located in Philadelphia, Pennsylvania. Kuusakoski notified as a CESQG of hazardous waste, and primarily recycles industrial scrap metal, used electronics, and electronic appliances. The Facility also manages universal waste batteries and spent lead-acid batteries from suppliers that are sent off-site for recycling. EPA inspectors observed aerosol cans in use at the Facility, and the Facility was unsure of how it disposes its spent aerosol cans. EPA issued a letter of warning to the Facility on November 22, 2011 regarding future management of spent aerosol cans.

DISPOSITION RECOMMENDATION: CLOSE

JUSTIFICATION FOR RECOMMENDATION:

See Above.

CONCURRENCE SECTION

CASE REVIEW OFFICER Andrew Ma

DATE: 11/23/11

TEAM LEADER Ken Cox

DATE: 11/29/11

ASSOCIATE DIRECTOR Carol Amend

DATE: 11/29/11

<sup>1</sup> This is a pre-decisional document protected by the deliberative process and attorney work product privileges (and may also be privileged attorney-client communication). Conclusions or recommendations are intended solely as primary information for government personnel. This worksheet contains tentative conclusions and staff-level recommendations and does not create any rights, or procedural, or defenses, as they are not binding on the Agency or the Department of Justice.

**RCRA Compliance Evaluation Inspection**

**Kuusakoski Philadelphia, LLC**

3150 Orthodox Street  
Philadelphia, PA 19137

City of Philadelphia

**RCRA Identification Number: PAR00052816**

NAICS: 56292

**Inspection Date: August 24, 2011**

US EPA Representatives:

*A.M.* Andrew Ma, Environmental Scientist  
Office of Land Enforcement  
(215)-814-3429

Martin Matlin, Environmental Scientist  
Office of Land Enforcement  
(215)-814-5789

Facility Representatives:

Barry Sweet, QEH & S Director  
Kuusakoski Philadelphia, LLC  
(215)-533-8323

Final Report Completed 11/9/11  
By Andrew Ma

## **Introduction**

On August 24, 2011, the United States Environmental Protection Agency, Region III (EPA), Land and Chemicals Division, Office of Land Enforcement (OLE) conducted an unannounced Compliance Evaluation Inspection (CEI) under the Resource Conservation and Recovery Act (RCRA), as amended, 42 U.S.C. Sections 6901 et seq. of Kuusakoski Philadelphia, LLC (the Facility or Kuusakoski) in Philadelphia, PA. Kuusakoski notified as a conditionally exempt small quantity generator of hazardous waste. The purpose of the inspection was to evaluate the Facility's compliance with RCRA's generator regulations. US EPA representatives Andrew Ma and Martin Matlin conducted the inspection. The Pennsylvania Department of Environmental Protection (PADEP) was notified two weeks prior to the inspection, but was not present on the date of the inspection. Mr. Barry Sweet, QEH & S Director, represented the Facility.

The inspectors arrived at the Facility on August 24, 2011 at 9:00 AM. Mr. Barry Sweet met EPA inspectors outside the Facility. Mr. Sweet led EPA inspectors inside the Facility to a lobby area, and EPA inspectors presented their credentials to Mr. Sweet. EPA inspectors discussed the purpose of the inspection with Mr. Sweet in a conference room.

## **General Facility Information**

Kuusakoski is an industrial recycling company located at 3150 Orthodox Street, Philadelphia, Pennsylvania. Kuusakoski Philadelphia, LLC was formed in 2009, and its parent company was established in Finland in 1914. Kuusakoski rented its current location in late 2009, which includes 3.5 acres of property. Kuusakoski does not operate any other facilities in the U.S., and it has offices located in New York. The Facility currently employs 23 people that work 1 shift from 6:30 AM to 3:00 PM.

## **Process Description:**

Kuusakoski is an industrial recycling company, and it has a residual waste permit for beneficial reuse. The general permit number is WMGR081D023 and is dated 10/29/10 – 10/21/12. The Facility takes industrial scrap metal, used electronics, and household appliances and processes the metal and scrap from these materials to sell to industrial scrappers and metal fabricators. Materials are brought into the Facility by truck. Some of the materials brought in can be resold as commodities, while some are sorted, dismantled, crushed, and processed into bundles of crushed scrap. Of the material that the Facility takes in, about 60% of the material is used electronics, while 40% is scrap metal. The Facility ships some of its recycled scrap to end users in Scandinavia, and some of its scrap is sold domestically. The Facility also exports low-grade circuit boards and high-grade circuit boards to overseas customers.

## **Hazardous Waste and Universal Waste Generation**

During the inspection Mr. Sweet indicated that the Facility does not generate hazardous waste. Mr. Sweet indicated that he does occasionally receive spent batteries that are still in

devices from incoming shipments. Those batteries are removed, and shipped offsite locally for recycling. Mr. Sweet indicated that the Facility has not generated any spent universal waste lamps yet, and the Facility does not purchase or process lamps for recycling. The Facility does receive uninterrupted power supplies that contain spent lead-acid batteries (SLABs). The power supplies are dismantled, and the SLABs are stored in containers and on pallets before being taken offsite by a broker, Northeast Metal Traders, Inc., at the end of each month. The Facility occasionally receives cathode ray tube (CRT) monitors and televisions. Mr. Sweet indicated that the Facility does not export or recycle used CRT monitors. CRTs are sent from the Facility to Elemental, Inc., which is based out of Philadelphia, PA.

### **Inspection Observations**

The tour of the Facility started at 10:30 AM, and EPA inspectors were accompanied by Mr. Sweet. Photographs taken during the inspection are documented in the Photographic Log in Attachment #1. During the Facility tour, the following observations were made:

#### **Outside Container Storage Area:**

EPA inspectors first observed an area outside the Facility with several empty containers (Photo #1 – 2). Inside an open container in this area of the Facility, EPA inspectors observed some used electronics and broken circuit boards. Mr. Sweet was unsure why these materials were stored in this area of the Facility, and he then informed Facility employees to move the material for processing.

#### **Building #1:**

This building was also labeled as building 13, and Mr. Sweet indicated that the Facility conducts pre-sorting in this building. In Building #1, EPA inspectors observed several separate pre-sorted storage areas. In one of these areas, EPA inspectors observed several personal computers (PCs) that were shrink-wrapped and on pallets (Photo #3). Mr. Sweet indicated that the PCs are destined to be recycled, and that the PCs contain high grade circuit boards that have a high metal content. Next to the PCs EPA inspectors also observed several flat-screen televisions that were shrink-wrapped on a pallet, which are also destined to be dismantled and recycled, per Mr. Sweet (Photo #4).

Also in this area of the Facility, EPA inspectors observed several bundles of crushed low-grade circuit boards, which were wrapped in cardboard and stored on pallets (Photo #5). Next to the crushed circuit boards, EPA inspectors observed more sorted pallets, which included computer network devices, computer processing units (CPUs), and unused surgical equipment (Photo #6 – Photo #10). The unused surgical equipment was stored on pallets in black 55-gallon drums that were dated 9/26/10 and 8/16/10, and some of the 55-gallon drums contained unused surgical needles and scalpels. Mr. Sweet indicated that all the materials stored in this area of the Facility were destined to be recycled. For an inside overview of Building #1, please see Photo #11.

Next to the entrance of Building #1, EPA inspectors observed an undated open 55-gallon drum that was labeled with the word "Batteries" (Photo #12 & Photo #13). Inside the drum the inspectors observed several alkaline batteries and 2 spent lead-acid batteries (SLABs). Next to the 55-gallon drum EPA inspectors observed an aerosol can that was placed on a metal shelf (Photo #14). The product label on the aerosol can reads "Super-X" and "Chain Lube", and the aerosol can was missing the spray valve.

#### **Bale Machine:**

EPA inspectors observed a "Balemaster" bale machine, which is used to compress mainly plastic scrap into single bales (Photo #15 & Photo #16). In front of the bale machine, EPA inspectors observed an open container that contained scrap material. Facility representatives indicated that the container was filled with sweepings that were mostly plastic, and the contents of the container will be run through the bale machine. Near the bale machine, EPA inspectors observed a pre-crushing machine with an open container of scrap material placed in front of it (Photo #17). Prior to using the bale machine, scrap materials are sent through the pre-crusher machine. The Facility indicated that the pre-crusher can process a variety of materials like vacuum cleaners and VCRs.

#### **Sorting Line:**

EPA inspectors observed open cubic yard boxes located below the Sorting Line (Photo #18 & Photo #19). One of the boxes contained broken circuit boards. For an overview of the Sorting Line, please see Photo #20. Near the Sorting Line EPA inspectors observed a pile of uncontained scrap material on the ground (Photo #21). The Facility indicated that some of the material was plastic from a broken bale pre-crushed material, and some of the material was pre-crushed material that will go through the sort line.

EPA inspectors then observed the scaffold area above the Sorting Line. In this area, EPA inspectors observed an open, undated 30-gallon black drum labeled with the word "batteries" (Photo #22) EPA inspectors observed that the drum contained a mix of spent batteries, including SLABs (Photo #23 & Photo #24). Facility representatives indicated the batteries have been accumulated in the drum for about 2 to 3 weeks.

#### **Ring Crusher:**

Outside the old maintenance building (Building #3) EPA inspectors observed what the Facility referred to as a ring crusher (Photo #25 & Photo #26). The ring crusher had not been used by the Facility, and according to Mr. Sweet, is a couple of weeks away from coming online. The Facility also indicated that the ring crusher will be able to process larger appliances like dish washing machines and laundry machines. He also indicated that when the ring crusher comes online, it will generate a baghouse dust.

**Building #3:**

In Building #3 EPA inspectors observed three 55-gallon drums (Photo #27). Facility representatives indicated that the containers are used to collect spent hydraulic oil and used motor oil. Two of the 55-gallon drums were full, and the drums were not labeled. One of the three drums was open with a funnel fitted on its top (Photo #28). A small amount of used oil was also collecting on the top of the drum. Along the wall of Building #3, EPA inspectors observed several smaller open containers of used oil (Photo #29). EPA inspectors also observed several aerosol cans that were still in-use on a shelf in Building #3 (Photo #30).

**Metal Hanger Building:**

EPA inspectors then observed the Metal Hanger Building (Photo #31). EPA inspectors entered the Metal Hanger Building, and observed that the building was full of shredded scrap material (Photo #32). Mr. Sweet indicated that the material stored in the building is a combination of shredded material and unprocessed materials directly from brokers. He also indicated that this material has been onsite for a couple of months, and it still needs to be sorted and sent through the ring crusher when it comes online.

**Building #2:**

In Building #2, EPA inspectors observed 5 pallets of universal power supplies (Photo #33). The power supplies were intact and stored on pallets. Mr. Sweet indicated that the power supplies may contain SLABs, which will be removed prior to processing the remainder of the universal power supply. EPA inspectors also observed SLABs removed from the casings of the universal power supplies that were stored on a pallet (Photo #34). On a table behind the SLABs, EPA inspectors observed an intact cathode ray tube (CRT) monitor (Photo #35). Also in this area of the Facility EPA inspectors observed a 55-gallon drum of laptop batteries (Photo #36 & Photo #37). The drum was open and labeled with the words "Laptop Batteries." Mr. Sweet indicated that the Facility is able to sell laptop batteries.

Outside Building #2 EPA inspectors observed a container storage area with several cubic yard cardboard containers and 55-gallon drums (Photo #38). Some of the cubic yard containers contained used electronics. EPA inspectors observed that one of the drums contained several blue high voltage devices (Photo #39 & Photo #40). Also in this area of the Facility EPA inspectors observed a pile of uncontained and uncovered used electronics next to several cubic yard containers of used electronics (Photo #41). Outside Building #2, EPA inspectors observed scrap circuit boards that were piled on the ground and covered with a blue tarp (Photo #42 & Photo #43). Mr. Sweet indicated that the circuit boards are a mixture of low-grade and high-grade circuit boards that will be sorted and processed at a later time.

**Storage Building:**

Mr. Sweet indicated that this building is scheduled for destruction, because Delaware Avenue will be extended through the Facility's property in the area of the Storage Building

(Photo #44). Mr. Sweet also indicated that this building is used to receive shipments of incoming materials. EPA inspectors observed a used, intact CRT television in the Storage Building that was stored on the ground (Photo #45). EPA inspectors also observed 12 unopened boxes of fluorescent lamps (Photo #46). Mr. Sweet indicated that the lamps are new and are to be used at the Facility. EPA inspectors also observed a cubic yard container in the Storage Building that contained 4 CRT monitors (Photo #47 & Photo #48). Mr. Sweet was unsure of how long the CRT monitors have been onsite for, and he also indicated that they would be sent offsite locally to Elemental, Inc. for recycling. Also in the Storage Building EPA inspectors observed containers of circuit boards (Photo #49).

### **Records Review**

After the tour of the Facility, the inspectors returned to the lobby of the Facility around 12:45 PM to conduct a records review.

### **Process Flow Diagram:**

Mr. Sweet provided EPA inspectors with a copy of a material process flow diagram for the Facility (Attachment #2).

### **Waste Batteries:**

During the inspection, Mr. Sweet indicated that the Facility sends universal waste batteries and SLABs offsite for recycling. Mr. Sweet indicated that Northeast Metal Traders, Inc. hauls universal waste batteries and SLABs offsite from the Facility. Mr. Sweet provided copies of a bill of lading dated 8/27/10 from Northeast Metal Traders, Inc. for a shipment of waste batteries that was delivered to Guaranteed Batteries, Inc., located in Trevose, PA (Attachment #3). In addition, Mr. Sweet provided a copy of a Certificate of Waste Material Recycling for SLABs from Newalta Corporation in Quebec, Canada, which indicates that Guaranteed Batteries, Inc. sends waste batteries from Northeast Metal Traders, Inc./Kuusakoski to Newalta Corporation in Canada (Attachment #3).

### **CRT Shipments:**

During the EPA inspection, Mr. Sweet indicated that the Facility sends CRT televisions and CRT monitors offsite locally to Elemental, Inc. for recycling, and he indicated that the Facility does not export CRTs overseas. Mr. Sweet informed EPA inspectors to contact Karen Petherbridge from Elemental, Inc. to retain documentation that shows offsite shipments of CRTs from the Facility to Elemental, Inc. Subsequent to the inspection, Elemental, Inc. provided EPA inspector Ma with a copy of an invoice dated 10/12/2011, that was billed to Kuusakoski for CRTs that were sent to Elemental, Inc. for recycling (Attachment #4).

**Exit Conference**

A brief exit conference was held with Mr. Sweet in the lobby of the Facility around 1:15 PM. The following areas of concern were discussed:

1. There were several used aerosol cans at the Facility at the time of the inspection, and Mr. Sweet was uncertain of how spent aerosol cans are disposed of by the Facility.
2. During the inspection EPA inspectors observed several containers of used oil. Mr. Sweet was uncertain of how used oil was managed by the Facility.

**Attachments:**

1. Photographic Log
2. Process Flow Diagram
3. Northeast Metal Traders, Inc. Waste Battery Documents
4. Elemental, Inc. Invoice for CRTs

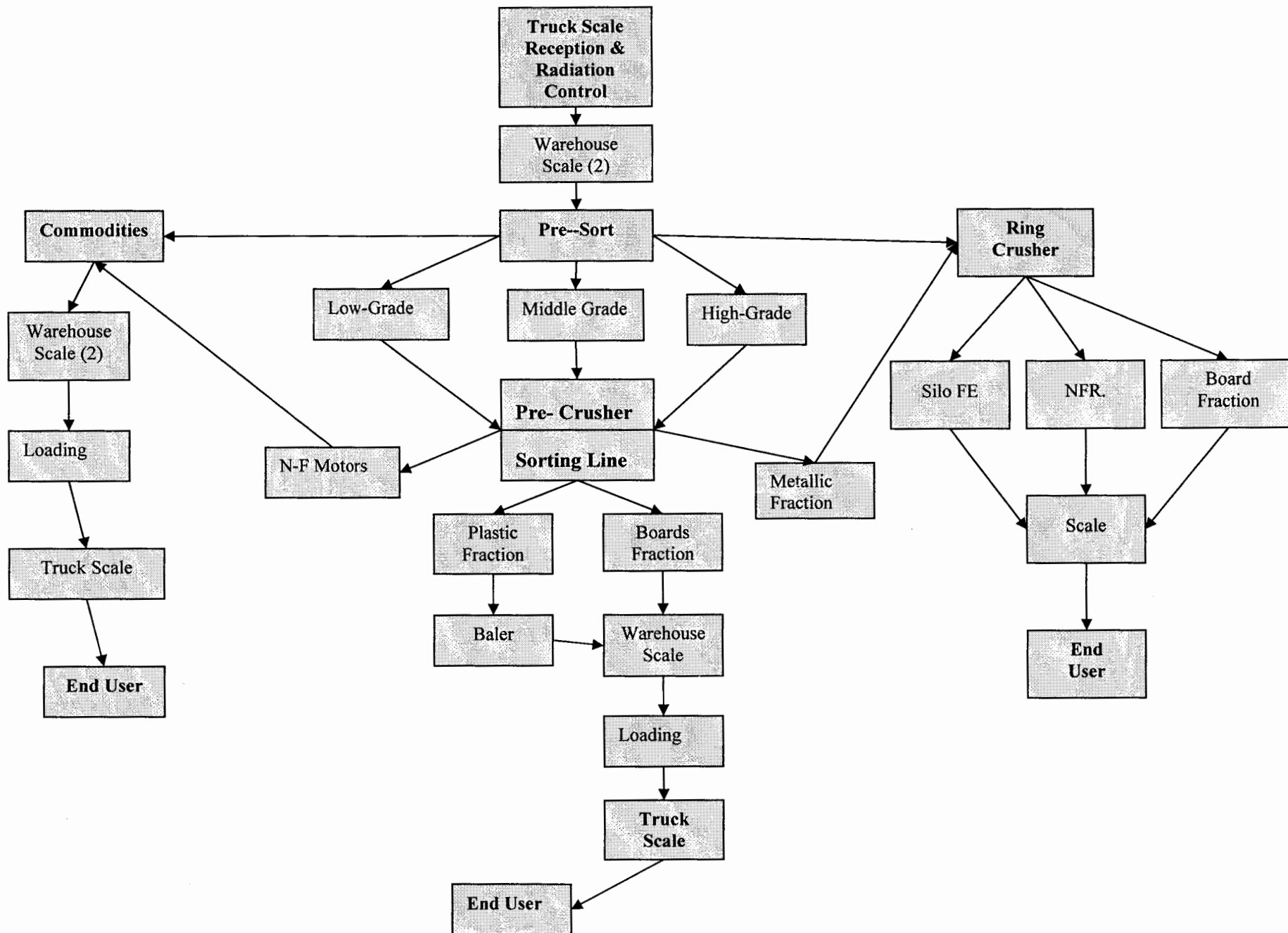


## **Attachments**

## Attachment #2

### Process Flow Diagram

## Kuusakoski Philadelphia, LLC Material Process



**Attachment #3**

**Northeast Metal Traders, Inc. Waste Batteries Documents**

# Northeast Metal Traders, Inc.

NON-FERROUS AND FERROUS METALS

7345 Milnor Street Philadelphia, PA 19136 Tel (215) 624-7260 Fax (215) 624-7495

**Bill of Lading**

NO: 035889

DELIVER TO: GUARANTEED BATTERY  
535 ANDREWS RD  
STE 200  
TREVOSSE, PA 19053  
(215) 535-9978

DELIVER ON:  
DATE: 08/27/10  
TIME:  
APPT#:  
SO#: 018233-01  
CUST REF:

FOR ACCOUNT: GUARANTEED BATTERY (GUAR01)

Gross Weight	Material	Tare	Net	Count
18,538.0	BATTERY, AUTO	357.0	18,181.0	8
2,072.0	BATTERY, STEEL CLAD	40.0	2,032.0	1
20,610.0	*** TOTAL ***	397.0	20,213.0	9

SHIPPED BY: @NORTHEAST METAL TRADERS, INC.  
7345 MILNOR STREET

SHIP DATE: 08/26/10

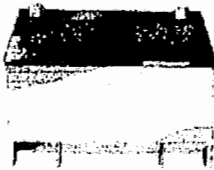
PHILADELPHIA, PA 19136  
(215) 624-7260

DELIVERY SEAL #: UL2032600	A TICKET #: A54705
TRAILER #: 712	
CARRIER:	
DRIVER:	

TRUCK WEIGHT:

SPECIAL INSTRUCTIONS:

GROSS	51110
TARE	30500
NET	20610



# Guaranteed Batteries, Inc.

535 Andrews Rd., Ste 100

Trevose, PA 19053

Phone 215-355-9978

Fax 215-355-3488

Purchased From: Northeast Metal Traders  
7345 Milnor St.  
Phila., PA 19136

Quantity	Description
17,707	Delivered 8/27/10
2,026	Net Spent Auto Batteries (18,307-600) 4 extra skids
	Net Spent Industrial Batteries
GBatteries@yahoo.com	



**CERTIFICATE OF WASTE MATERIAL RECYCLING  
SPENT LEAD-ACID BATTERIES**

On August 25, 2010, Newalta Corporation does hereby issue this certificate to:

## Guaranteed Batteries

535 Andrews, Trevoze PA. 19053 USA

to evidence the consumption of the material received on this certificate from the above mentioned for a weight of :

<b>Receiving slip #</b>	<b>Description</b>	<b>number of lbs</b>	<b>Date received</b>
157395	Ind. Batt Steel Case	5600	2010-07-16
157395	Ind. Batt Auto	37220	2010-07-16
	TOTAL WEIGHT :	42820	Lbs

The said consumption has been completed in a manner consistent with acceptable engineering standards and in compliance with applicable rules and regulations set forth by the Province of Quebec and Canadian Federal authorities.

In the event that you have any questions regarding Nova Pb Inc or these shipments in particular, please contact :

Patrick Boucher  
Buyer  
Newalta Corporation

**LA CORPORATION NEWALTA / NEWALTA CORPORATION**  
 1200, rue Garnier T  L. 450-632-9910  
 Ville St.-Catherine (Qu  bec) FAX 450-632-9090  
 J5C 1B4 WEB [www.newalta.com](http://www.newalta.com)

Attachment #4

Elemental, Inc. Invoice for CRTs





Invoice from Elemental, Inc.  
Elemental, Inc. to: Andrew Ma  
Cc: Barry.Sweet  
Please respond to "Elemental, Inc."

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11/07/2011 02:19 PM

Andrew,  
Attached find last invoice to Kuusakoski for handling their CRTs.  
If you need additional information or paperwork just let me know.  
Karen @ Elemental

Elemental Inc.  
2371 Church St  
Philadelphia PA 19124  
215-289-1475  
Karen@eleminc.com

**To view your invoice**

Open the attached PDF file. You must have Acrobat® Reader® installed to view the attachment.



Inv\_6018\_from\_Elemental\_In.pdf

Elemental, Inc.

2371 Church Street  
Philadelphia PA 19124

# Invoice

Date	Invoice #
10/12/2011	6018

Bill To
Kuusakoski Philadelphia 3150 Orthodox St Philadelphia PA 19137

**PAID**

P.O. No.	Terms	Project

Quantity	Description	Rate	Amount
1,151	Monitor sort, pack & recycle, 9/16/11	0.20	230.20
266	Monitor sort, pack and recycle 9/27/11	0.20	53.20
343	Monitor sort, pack and recycle 10/4/11	0.20	68.60
80	TV sort, pack and recycle 10/4/11	0.25	20.00
All work is complete! We appreciate your prompt payment.		<b>Total</b>	<b>\$372.00</b>